UNDERWATER DIGITAL CAMERA
WITH BUILT-IN FLASH

JDC28W

Instruction

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1. SPECIFICATION TABLE:

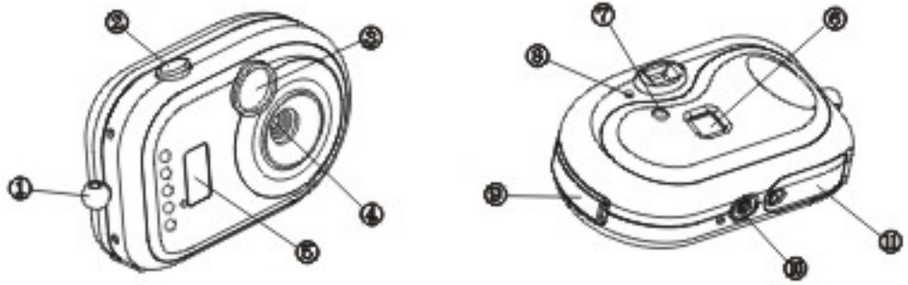
Image Sensor	350,000 Pixels VGA CMOS sensor
Image Resolution	VGA Mode (640 X 480 Pixels) Maximum pictures can be stored at full memory: ~ 26 pictures without compression ~ 78 pictures with compression On saving a picture after download in a computer, the picture will be saved in an enhanced resolution by software interpolation to 1280 X 960 pixels. QVGA Mode (320 X 240 Pixels) Maximum pictures can be stored at full memory: ~ 104 pictures without compression ~ 312 pictures with compression On saving a picture after download in a computer, the picture will be saved in an enhanced resolution by software interpolation to 640 X 480 pixels.
Image (Format)	JPEG, BMP
Video Recording (Duration)	QVGA at 5 frames per second, continuous recording up to 60 seconds depending on memory availability

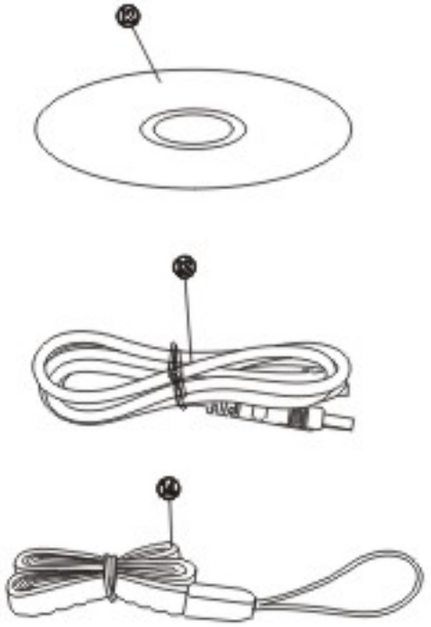
Video Recording (Format)	AVI
Viewfinder	Optical
PC Camera	VGA Mode~15 frames per second QVGA Model~30 frames per second
Lens Aperture/Focal Length	F3.0mm, f6.3mm
Self Timer	10 seconds
Shutter	Electronic Shutter
Exposure	Auto
White Balance	Auto
Memory	Built-in 8MB SDRAM
Flash	Built-in Flash
Interface	MINI USB 1.1 Cable
Power	1)2XAA batteries 2)USB Cable connection to PC
Low Battery Power Detection	Available
Auto Power Off	30 sec. after inactive usage
Dimensions (Approx)	94.5x63x32.5mm
Weight (Approx)	76.5g approx. (w/o Batteries)
Operation System	Microsoft® Windows® 98SE, Me/ 2000/XP
Focusing Distance	0.6m~∞
LCD Panel	Two-digit display

2. COMPUTER SYSTEM REQUIREMENTS

- Compatible with Microsoft® Windows®98SE/ME/2000/XP
- Pentium® II 333MHz or Pentium® compatible processor
- USB Port
- 64MB RAM or higher
- 200MB free disk space
- CD-ROM drive
- Color monitor with high color (16-bit) graphic capability or higher
- Standard mouse and keyboard

3. GETTING TO KNOW DIGITAL CAMERA





1) Neck Strap Eyelet
2) Shutter Button
3) View Finder Eyepiece
4) Camera Lens
5) Built-in Flash
6) LCD Panel
7) Mode Selection Button
8) Flash Ready Light
9) USB Socket
10) Universal Tripod Screw Socket
11) Battery Cover
12) Application Program CD
13) USB 1.1 Cable
14) Hand Strap

4. MODE MENU DISPLAYING ON THE LCD PANEL

26	Remaining numbers of pictures
OF	Manual Switch Off
FA/Fo	Activate/Deactivate Built-in Flash
Ct	Continuous Shot
AI	Video Recording
St	10 sec. Self Timer
CL	Clear Last Picture
CA	Clear All Memory
Lr/Hr	QVGA Resolution/VGA Resolution
CP/nP	Compression
F5/F6	Alternate Current frequency selection,50/60 Hz, in conform to the Power Supply for the PC.
TO CONFIRM A SELECTED MODE, PRESS THE SHUTTER BUTTON ONCE.	
Note: The Picture Counter counts the remaining number of pictures that can be taken. It can only display the last two digits. When the number is 100, the first digit will not be shown. As such, it displays 00. In case it counts to 204, it shows 04.	

5. GETTING STARTED

- Read through the entire instruction manual before operating the Digital Camera.
- Carefully remove the Digital Camera from the Packing Box. Insert the small end of the Neck Strap (14) through the Neck Strap Eyelet (1) of the Digital Camera then fasten it onto the Digital Camera as shown.
- Open the Battery Cover (11) by sliding the lock in the direction of the arrow.
- Insert two AA batteries into the battery compartment in the correct +/- polarity as indicated.
- After closing the Battery Cover, press the Mode Selection Button (7) once to turn on the Digital Camera. The Digital Camera will turn off automatically after 30 seconds of inactive usage. Alternatively, turn off the Digital Camera manually by pressing the Mode Selection Button repeatedly until "OF" appears on the LCD Panel (6) then press the Shutter Button (2) to confirm turning off the Digital Camera.

6. TAKING PICTURE WITH THE DIGITAL CAMERA

6.1 Taking Still Picture

- Turn on the Digital Camera by pressing the Mode Selection Button once. The Digital Camera is preset to initialize at VGA mode without compression (Please read the sections of "Selecting the Desired Resolution" and "Selecting the Desired Compression Format" for more details).
- In case the environment is not bright enough, Built-in Flash (5) is needed. To activate the Built-in Flash, press the Mode Selection Button repeatedly until "FA" appears on the LCD Panel, then press the Shutter Button once to start charging the Built-in Flash. Wait until the Flash Ready Light (8) glows, proceed to step 3. (Once the Built-in Flash is activated, to deactivate, press the Mode Selection Button repeatedly until "Fo" appears on the LCD Panel. Press the Shutter Button once to confirm deactivation.)
- Frame the picture by looking through the View Finder Eyepiece (3) then press the Shutter Button to take a picture. To avoid jerky picture, hold the Digital Camera firm with both hands. The buzzer will beep to indicate a picture has been taken. The number appearing on the LCD Panel shows the remaining pictures that can be taken.

6.2 Taking Still Picture with Self Timer

- Support the Digital Camera on a stable surface or with a tripod. (A tripod is recommended and an Universal Tripod Screw Socket (10) is provided underneath the Digital Camera)
- In case the environment is not bright enough, Built-in Flash is needed. To activate the Built-in Flash, press the Mode Selection Button repeatedly until "FA" appears on the LCD Panel then press the Shutter Button to confirm. Wait until the Flash Ready Light glows, proceed to step 3. (Once the Built-in Flash is activated, to deactivate, press the Mode Selection Button until "Fo" appears on the LCD Panel. Press the Shutter Button once to confirm deactivation.)
- Press the Mode Selection Button repeatedly until "St" appears on the LCD Panel.
- Press the Shutter Button and the Digital Camera will start to beep. There will be ten short beeps ended with one long one. By then, the camera starts to take a picture. When a picture has been taken, another beep will sound. If the Built-in Flash is activated, wait until the Built-in Flash flashes.

6.3 Taking Continuous Shots

- Press the Mode Selection Button repeatedly until "CE" appears.
- Look through the View Finder Eyepiece at the target to be captured. Press the Shutter Button down and hold it to start Continuous Shot. For each picture taken, the buzzer will beep. The Digital Camera will continue to shoot until the Shutter Button is released or the Counter on the LCD Panel counts down to 00 indicating that the Memory in the Digital Camera is full. During this mode, the Built-in Flash will not work.

7. TAKING VIDEO WITH THE DIGITAL CAMERA

- Press the Mode Selection Button repeatedly until "AI" appears on the LCD Panel.
- Press the Shutter Button down and hold it to start video recording. The video is captured continually until the Shutter Button is released or when the memory is full. When the Shutter button is released, the LCD Panel will indicate the down counting number. "00" indicates no memory space is left. During this mode, the Built-in Flash will not work.

8. ERASING THE LAST PICTURE/VIDEO

- Should the last picture/video needs to be erased, press the Mode Selection Button repeatedly until "CL" appears, then press the Shutter Button once to confirm. When the LCD Panel blinks, press the Shutter Button once again to confirm erasing the last picture/video.

9. CLEARING ALL MEMORY IN THE DIGTAL CAMERA.

- Press the Mode Selection Button repeatedly until "CA" appears on the LCD Panel then press the Shutter Button once to confirm clearing. When the LCD Panel blinks, press the Shutter Button once again to confirm clearing all the content in the Memory. All files in the Digital Camera will be deleted

10. SELECTING THE DESIRED RESOLUTION

- The Digital Camera allows pictures to be taken in one of the two resolutions, the VGA resolution (640X480 pixels) or the QVGA resolution (320X240 pixels). Higher quality pictures can be expected with the high resolution mode.
- Press the Mode Selection Button repeatedly until either "Hr" or "Lr" is displayed on the LCD Panel. The LCD Panel will not show the current resolution in use, instead it will show the next alternate resolution available. "Hr" refers to VGA resolution (higher) and "Lr" refers to QVGA resolution (lower).
- Press the Shutter Button to confirm the selection of resolution.
- The number displayed on the LCD Panel indicates the remaining number of pictures or length of video for the selected resolution.
- More pictures can be taken when "Lr" mode is used. Please refer to the "Specification Table" for the maximum pictures that can be taken.

11. SETTING THE DESIRED COMPRESSION FORMAT

- The Digital Camera has built-in File Compression Function. When this function is used, more pictures can be stored. Please refer to the "Specification Table" for the maximum pictures that can be taken.
- Press the Mode Selection Button repeatedly until either "CP" or "nP" is displayed on the LCD Panel. The LCD Panel will not show the current File Compression Function mode status in use; instead it will show the next alternate File Compression Function mode available. Select "CP" to turn on the File Compression Function and "nP" to cancel the File Compression Function.
- Press the Shutter Button to confirm the selection of turning on or cancelling the File Compression Function.

12. REPLACING THE BATTERIES

- The Digital Camera uses either power from the USB port of an active PC via a cable or the installed batteries. Unless it is connected to the USB port of an active PC, the Digital Camera monitors the battery power continuously. When the battery power is low, the LCD Panel will display "Lo" and blink for 10 seconds before it turns itself off automatically. If the camera remains off, the remaining power of the battery in the camera can preserve all the content in the Memory for at least 24 hours.
- The content in the Memory can be preserved for 10 seconds when batteries are removed. When this 10 seconds time is lapsed, all the content in the Memory will be erased. Before replacing the batteries, it is recommended to download all the files to a computer. Please refer to "PC Mode" for more details.
- Open the Battery Cover and remove the batteries.
- Insert two fresh AA batteries into the battery compartment in the correct +/- polarity as shown. After closing the Battery Cover, the Digital Camera will turn on automatically.
- Always use fresh batteries. Do not mix batteries of different type and brand.

13. SELECTING THE DESIRED FREQUENCY IN CONFORMITY TO THE AC POWER SUPPLY

- Press the Mode Selection Button until either "F5" or "F6" appears. The LCD Panel will not show the current setting in use; instead it shows the alternate frequency setting available. "F5" is for 50Hz power supply and "F6" is for 60Hz power.
  This can be check with the local Electrical Power Supplier.
- Press the Shutter Button to confirm the selection.
- The correct frequency should be selected in conformity to the local AC power supply to avoid banding effect.

14. PC MODE

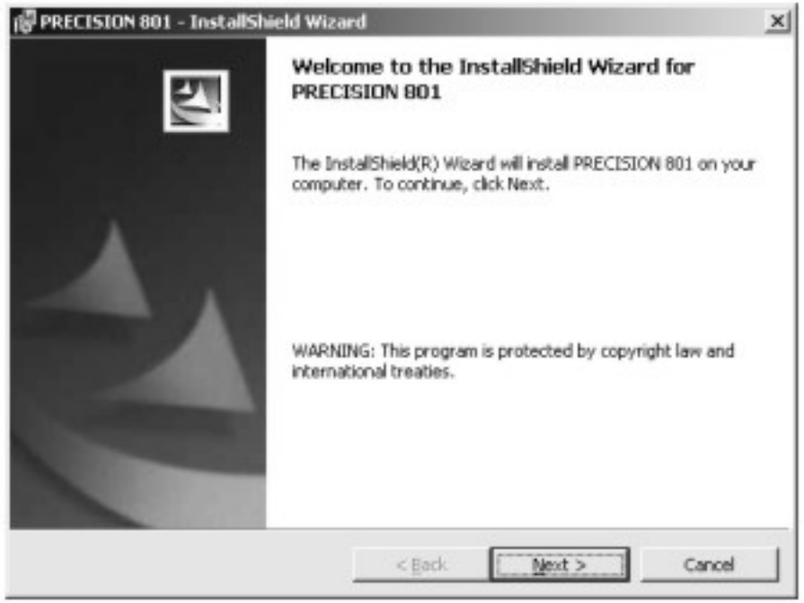
14.1 Icon Reference Table

Icon	Description	Icon	Description
	Save Active Item		Stop
	Save All Item		Preview
	PC-Camera Mode		Capture Single Frame
	Photo-Camera Mode		

14.2 Installing the Program and Driver for the Digital Camera

- The CD comes with the camera kit containing the program and driver for the Digital Camera. The program and driver are PC compatible that work with Microsoft® Windows® 98SE/Me/XP/2000.
- Make sure that the Digital Camera is not connected to the computer.
- Insert the CD into the CD-Rom drive of the computer.
- The installer will pop up automatically.
  Note: if the installer doesn't appear , go to "My Computer". Locate the CD-Rom, then double click on the CD-Rom drive to display all the content. Locate the file named "setup.exe", then double click the file icon to start the Install Shield Wizard.

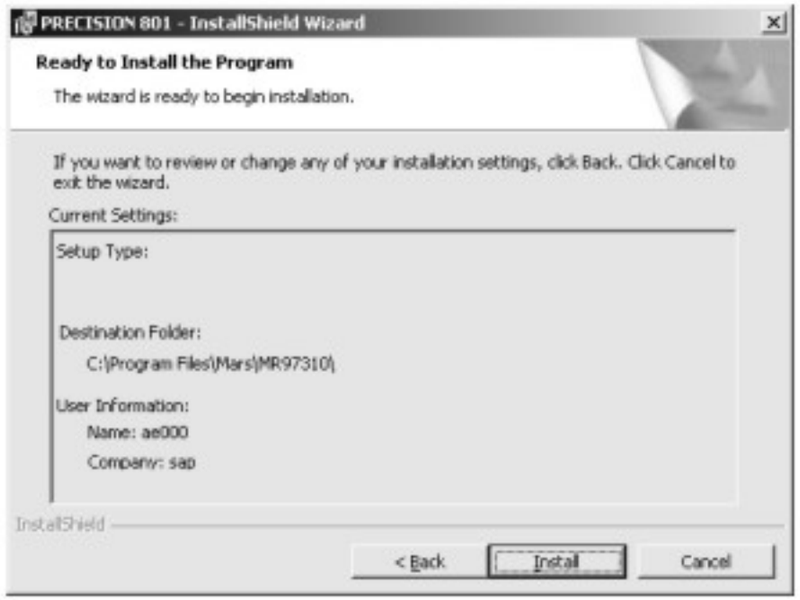
➢ The following screen will display, click "Next".


PRECISION 801 - InstallShield Wizard
Welcome to the InstallShield Wizard for PRECISION 801
The InstallShield(R) Wizard will install PRECISION 801 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

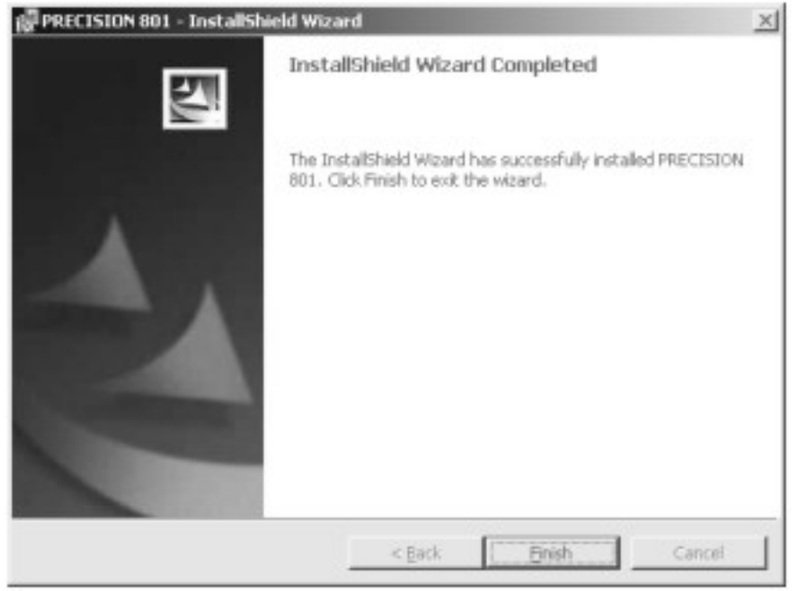
➢ When the License Agreement page appears, read the entire License Agreement. If you agree the terms choose "I accept the terms in the license agreement", confirm acceptance by clicking "Next". If the License Agreement is not accepted, click "Cancel" to terminate the installation.

PRECISION 801 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Copyright Notice
The product, MarsCam (in whole or in part, including all files, data, and documentation, from here on referred to as "Software") is (c) Copyright Mars Semiconductor Corp., all rights reserved, and is protected by Republic of China copyright laws, international treaties and all other applicable national or international laws. The sole owner of this product is Mars Semiconductor Corp.
License Agreement
GRANT. Subject to the provisions contained herein, Mars Semiconductor Corp.,
I accept the terms in the license agreement
I do not accept the terms in the license agreement
InstallShield
< Back
Next >
Cancel

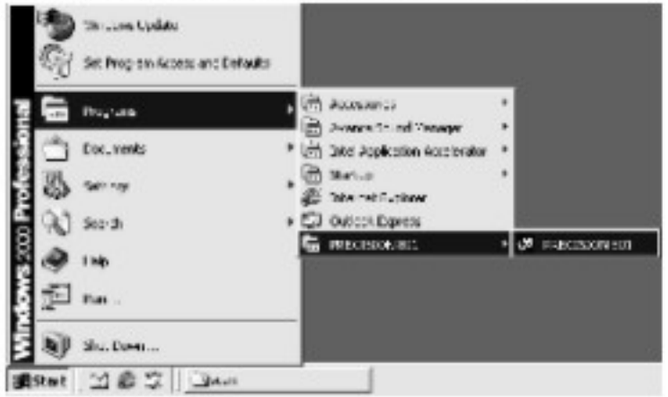
➢ The following screen will display, click "Install" to continue.



➢ When the installation is completed and the following screen pops up, click "Finish".


PRECISION 801 - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed PRECISION 801. Click Finish to exit the wizard.
< Back
Finish
Cancel

➢ A short-cut icon of "PRECISION 801" will be placed on the desktop of the Computer after the computer restarts. The "PRECISION 801" can also be located under the Program menu.



➢ The program or the driver for the Digital Camera will not function properly until the computer has restarted.

14.3 Connecting the Camera to the Computer

➢ After your computer has restarted, plug one end of the USB cable into your camera and the other end into the USB port of your computer.

The LCD panel of the camera will display [PC]. The following message will pop up, indicating that the Windows system recognizes a new device and is searching for the driver.

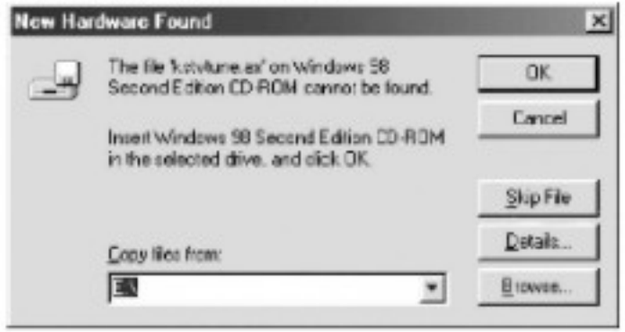
➢ **Note**: When the camera is connected to the computer for the first times, the computer will autotmatically recognize the camera. However, the installation message will vary between different versions of Windows Operating Systems.

a. Under Windows 98SE Operating System:

➢ The following message will pop up. Insert Windows 98SE CD-ROM into the CD-ROM drive, click "OK" to continue.

➢ If not insert the CD-ROM,the following window will pop up. Insert Windows 98SE CD-ROM into the CD-ROM drive, click "OK" to continue.

➢ **Note:** If you do not have the Windows 98SE CD-ROM ,click "Skip File", the window message may occur several times. Repeat click "Skip File" until the window message disappears, and the camera will not work well.


New Hardware Found
The file 'tvtvtune.ax' on Windows 98 Second Edition CD-ROM cannot be found.
Insert Windows 98 Second Edition CD-ROM in the selected drive, and click OK.
Copy files from:
OK
Cancel
Skip File
Details...
Browse...

b. Under Windows ME Operating System:

➢ The system will automatically recognize the camera and complete the installation.

c. Under Windows 2000 Operating System:

➢ The warning message of "Digital Signature Not Found" will pop up. Click "Yes" to continue. IF "No" is clicked, you will be asked to exit setup without completing the installation.

Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
PRECISION 801
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

d. Under Windows XP Operating System:

➢ The following message will pop up, indication that the Windows system recognizes the new device and is searching for the driver. Choose the "Install the software automatically(Recommended)", then click "Next".

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
PRECISION 801
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

➢ The "Windows Logo Testing" warning will appear, click "Continue Anyway" to continue.

Hardware Installation
The software you are installing for this hardware:
PRECISION 801
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

➢ Click "Finish" to completing the installation.

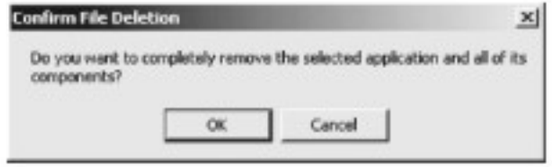
e. Check the Imaging Device:

➢ Click "Start> Setting > Control Panel > System > Hardware > Device Manager > Imaging Devices" to check if PRECISION 801 appears under "Imaging Devices". If not please re-install the Driver or re-connect the camera.

➢ **Note:** Ensure that the camera is still connected to the computer while checking.

14.4 Uninstalling the Program and Driver for the Digital Camera

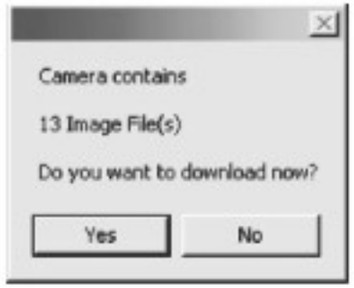
- Click "Start> Setting > Control Panel >Add/Remove Programs".
- Click "Remove". Click "OK" to confirm or "Cancel" to exit uninstalling the program and driver on the pop-up window.



- Restart the computer.

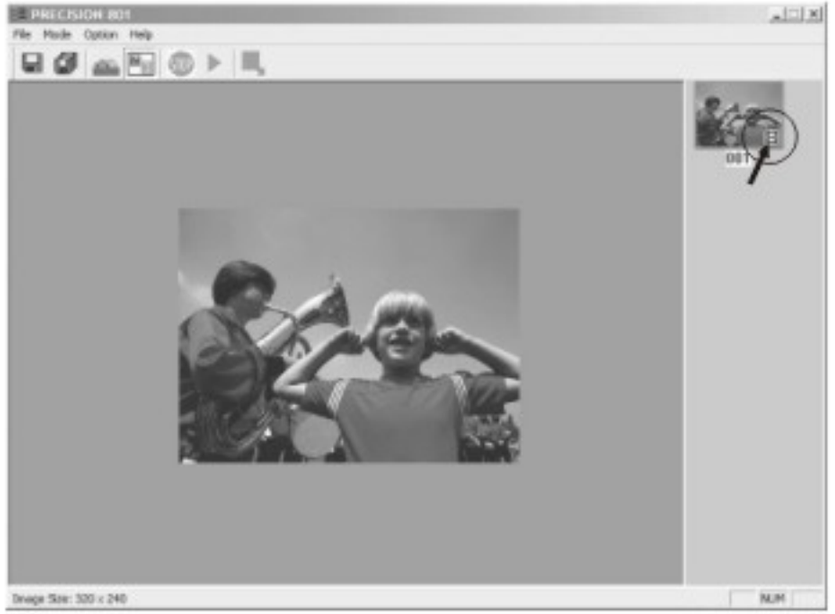
14.5 Downloading Picture to Computer

- Insert one end of the USB plug on the cable into the USB socket (9) of the Digital Camera.
- Connect the other end of the USB plug to the USB port of the computer.
- Double click the "PRECISION 801" short-cut icon on the Desktop of the computer to open the program in the Photo Album Mode.
- A pop-up window displays the number of picture files in the Digital Camera for download. If the Digital Camera is not connected, the window will display "Driver has failed".



- Click "Yes" to continue or click "No" to discontinue download. If "Yes" is clicked, download will start.
- Download can also be done manually by choosing "Option" and then "Download Pictures" on the menu bar of the program screen.

- Picture thumbnails will be shown on the right panel of the program screen. In case of a Video, there is a "Film" logo at the lower right corner on the thumbnail.

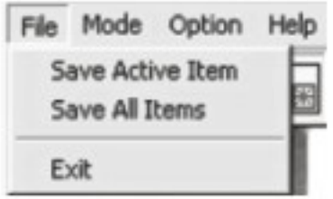


➢ To see the enlarged image, click the Thumbnail. "MarsCam" does not provide Video viewing. The file has to be saved then viewed with programs that can open AVI files. (Please refer to "Saving Picture" for more information).

14.6 Saving Picture

a. Saving a Single Picture

➢ Click the thumbnail to select the picture to be saved. Click "Save Active Item" icon at the upper left corner of the program screen. Alternately, click "File" on the top menu bar then click "Save Active Item".



➢ Choose a directory to store the file.
➢ Rename the file if desired.

➢ There are two optional formats, "bmp" or "jpg" to save. For video, the file format is "avi". Choose the desired picture /video format then click "Save".

➢ On saving a "jpg" picture file, another window will pop-up; select the picture quality on the "Select Quality" window then click "OK".

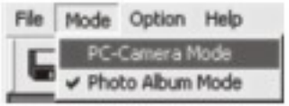
b. Saving All Pictures

- Click "Save All Item" icon on the upper left-hand corner of the program screen or go to "File" on the top menu bar then choose "Save All Items".
- Choose a directory to save the files.

- There are two optional formats, "bmp" or "jpg" to save. In case there are video files among them, choose "jpg" format; this will automatically convert the video file(s) to "avi" format upon saving.
- On saving "jpg" picture files, another window will pop-up; select the picture quality on the "Select Quality" window then click "OK".

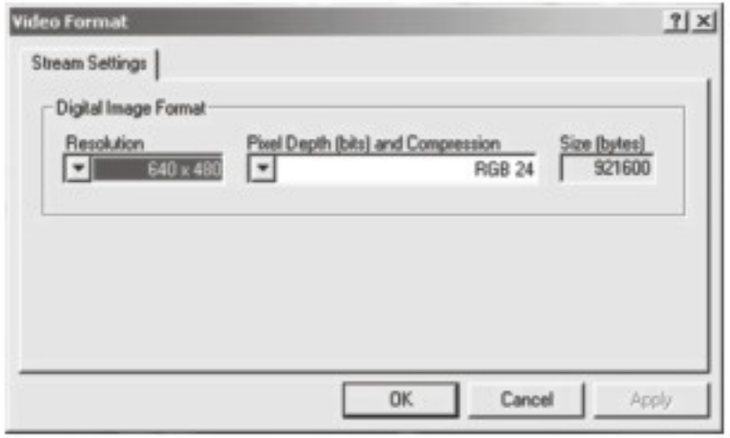
14.7 USING THE DIGITAL CAMERA AS A PC-CAMERA

➢ Click "PC-Camera" icon on the upper left corner of the program screen. Alternately, click "Mode" on the top menu bar then click "PC-Camera Mode".



➢ Go to "Option" on the menu bar and choose "Video Source" for Image setting.

➢ Go to "Option" on the menu bar and choose "Video Format" to choose the resolution of the image that will be captured.



➢ Click the "Play" icon or go to "Option" on the menu bar and choose "Preview" to activate the Digital Camera Lens.

➢ Click the "Capture Single Frame" icon or go to "Option" on the menu bar and choose "Capture Single Frame" to capture still image. Thumbnails of the captured images will appeared on the left side of the program screen.

➢ Click the "Stop" icon or go to the menu bar and choose "Stop" to deactivate the Digital Camera Lens.

➢ To switch back to the Photo Album Mode, click on the "Photo Album Mode" icon or go to "Mode" on the menu bar and choose "Photo Album Mode"

14.8 USING THE DIGITAL CAMERA AS A WEB CAM

The Digital Camera supports most WebCam software applications such as Microsoft® Netmeeting®, Yahoo® Messenger® etc. Used with these software applications, the Digital Camera functions as a Web Cam. Below are the detailed instructions to obtain Microsoft® Netmeeting® programs:

a. For Windows® XP

- Click on the "Start" button on the computer desktop. Click "Run".
- When the "Run" window appears, type "conf" then click "Confirm". The Microsoft® Netmeeting® Program installation will start automatically.
- Follow the on-screen instructions to completed the installation.
- Once the installation is completed, open the program. When the Digital Camera is connected to the computer, click the "play" icon to activate the Digital Camera as a Web Cam.

b. For Windows® 98SE & Me & 2000

- Go to the Microsoft® Official Netmeeting® website to download the latest Netmeeting® program. Http://www.microsoft.com/windows/netmeeting/default.asp
- Once the program is installed, open the program. When the Digital Camera is connected to your computer, click the "play" icon to activate the Digital Camera as a webcam function.

15. CARE & STORAGE

- Always keep the Digital Camera clean. In case the lens needs cleaning, blow away any dust and dirt first then clean it with slightly moistened lint-free soft cloth or tissue.
- Clean the Digital Camera Casing with moistened cloth when necessary then wipe it dry. Do not connect the Digital Camera to the computer while cleaning.
- In case the Digital Camera will not be used for a prolonged time, store the Digital Camera in its original box. Keep it in a well ventilated environment and away from sunlight.

16. CAUTION

- Never leave the Digital Camera in a damp or dusty place.
- Remove all the batteries when storing the Digital Camera.
- Keep any packing bag away from children. Packing bag causes choking hazard for children when place over mouth or nose.

17. WARNING

- The Digital Camera stores high voltage electricity inside, never attempt to open or dismantle the Digital Camera to avoid electric shock.
- Do not dispose the batteries in fire.

18. WARRANTY

- This form describes the protection You will have under this Limited Warranty.

LIMITED WARRANTY PERIOD:

- This Limited Warranty begins on the date of purchase of the Covered Product and continues for a period of six months.

WHAT IS COVERED:

- Meijer will pay the cost of labor and repair or replacement parts in the event Your Covered Product fails to operate as a result of a mechanical or electrical failure caused by defects in workmanship and/or materials. A mechanical or electrical failure caused by a direct result of a power surge is also covered. Parts will be replaced with those of like kind and quality, and may be new or remanufactured. If the Covered Product cannot be repaired, if the cost of the repair exceeds the original purchase price or if parts are not available due to the age of the Covered Product or discontinued by the manufacturer, the Covered Product will be replaced with a product of similar features.

WHERE YOU ARE COVERED:

- Coverage under this Limited Warranty is limited to the United States of America, including the District of Columbia. It does not include any Canadian or U.S. Territories including Guam, Puerto Rico, or U.S. Virgin Islands.

WHAT IS NOT COVERED:

- PRODUCTS NOT ORIGINALLY COVERED BY A MANUFACTURER'S WARRANTY;
- ITEMS THAT ARE STILL COVERED BY THE MANUFACTURER'S WARRANTY, REGARDLESS OF WHETHER THE MANUFACTURER HONORS SUCH WARRANTY;
- PERIODIC CHECKUPS AND/OR PREVENTIVE MAINTENANCE AS DIRECTED BY THE MANUFACTURER EXCEPT AS PROVIDED HEREIN;
- INHERENT PRODUCT DEFECTS THAT ARE THE RESPONSIBILITY OF THE MANUFACTURER OR PARTS FAILURE DUE TO A MANUFACTURER'S RECALL;
- ANY AND ALL PRE-EXISTING CONDITIONS THAT OCCUR PRIOR TO THE EFFECTIVE DATE OF THIS LIMITED WARRANTY AND/OR ANY COSTS TO REPAIR ANY PRODUCT SOLD "AS-IS" INCLUDING BUT NOT LIMITED TO FLOOR MODELS, DEMONSTRATION MODELS, ETC;

- IPARTS OR REPAIRS DUE TO NORMAL WEAR AND TEAR AND ITEMS NORMALLY DESIGNED TO BE PERIODICALLY REPLACED BY THE PURCHASER DURING THE COVERED PRODUCT'S LIFE, INCLUDING BUT NOT LIMITED TO BATTERIES, LIGHT BULBS ETC;
- IDAMAGE FROM ACCIDENT, ABUSE, MISUSE, MISHANDLING, INTRODUCTION OF FOREIGN OBJECTS INTO THE COVERED PRODUCT, UNAUTHORIZED MODIFICATIONS OR ALTERATIONS TO A COVERED PRODUCT, FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS, AND EXTERNAL CAUSES INCLUDING THIRD PARTY ACTIONS, FIRE, THEFT, INSECTS, ANIMALS, EXPOSURE TO WEATHER CONDITIONS, WINDSTORM, SAND, DIRT, HAIL, EARTHQUAKE, FLOOD, WATER, ACTS OF GOD OR CONSEQUENTIAL LOSS OF ANY NATURE;
- ILOSS OR DAMAGE CAUSED BY WAR, INVASION OR ACT OF FOREIGN ENEMY, HOSTILITIES, CIVIL WAR, REBELLION, RIOT, STRIKE, LABOR DISTURBANCE, LOCKOUT, OR CIVIL COMMOTION;
- IINCIDENTAL, CONSEQUENTIAL OR SECONDARY DAMAGES OR DELAY IN RENDERING SERVICE UNDER THIS LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE COVERED PRODUCT IS AT AN AUTHORIZED SERVICE CENTER OR OTHERWISE AWAITING PARTS;

- IANY PRODUCT USED IN A COMMERCIAL SETTING OR RENTAL BASIS;
- IFAILURES THAT OCCUR OUTSIDE OF THE 50 STATES OF THE UNITED STATES OF AMERICA, INCLUDING THE DISTRICT OF COLUMBIA;
- INONFUNCTIONAL OR AESTHETIC PARTS INCLUDING BUT NOT LIMITED TO PLASTIC PARTS, KNOBS, ROLLERS, BASKETS, SCRATCHES, PEELING AND DENTS;
- IUNAUTHORIZED REPAIRS AND/OR PARTS;
- ICOST OF INSTALLATION, SET-UP, DIAGNOSTIC CHARGES, REMOVAL OR REINSTALLATION OF THE COVERED PRODUCT, EXCEPT AS PROVIDED HEREIN;
- IACCESSORIES USED IN CONJUNCTION WITH A COVERED PRODUCT;
- IANY LOSS OTHER THAN A COVERED BREAKDOWN OF THE COVERED PRODUCT;
- ISERVICE WHERE NO PROBLEM CAN BE FOUND;
- IBREAKDOWNS WHICH ARE NOT REPORTED WITHIN THE TERM OF THIS LIMITED WARRANTY;
- IIMPROPER INSTALLATION OF COMPONENTS OR PERIPHERALS;
- ICORRUPTION OF ANY RECORDING MEDIA INCLUDING ANY PROGRAM, DATA OR SETUP INFORMATION RESIDENT ON ANY

HARD DRIVES AND INTERNAL OR EXTERNAL REMOVABLE STORAGE DEVICES, AS A RESULT OF THE MALFUNCTIONING OR DAMAGE OF AN OPERATING PART, OR AS A RESULT OF ANY REPAIRS OR REPLACEMENT UNDER THIS LIMITED WARRANTY;

- IDAMAGE TO CLOTHING ;
- ICOLOR RADING OF PICTURE FOR ANY TELEVISION;
- IBURNEDIN PHOSPHOR (INCLUDING IMAGE GHOSTING), PIXEL BURNOUT NOT IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

WHAT TO DO WHEN YOUR PRODUCT FAILS TO OPERATE:

- ICall the 24 hour customer service toll free number at (866) 845-9436. Many oversights, which are not covered under this Limited Warranty, can be due to simple circumstances such as the Covered Product not being switched on, being unplugged, or a fuse blown at the junction box. For a Covered Product that uses batteries as the primary power supply, or a remote control unit, please check that the batteries do not need replacing or recharging.

SERVICE DELIVERABLES:

- There is no deductible required to obtain service for Your Covered Product.

OTHER PROVISIONS:

Limit of Liability:

- The limit of liability under this limited warranty is the least of the cost of (1) the purchase price of the Covered Product excluding tax and delivery costs or (2) authorized repairs not to exceed the purchase price of the Covered Product or (3) replacement of the Covered Product with similar features or (4) reimbursement for authorized repairs or re placement. Upon replacement, there is no longer any obligation for the replaced product under this Limited Warranty.

Limitations of Implied Warranty:

- All Implied Warranties which may arise under state law, including all Implied Warranties of Merchantability or Fitness for a particular purpose, are limited to the duration of this Warranty and do not cover incidental or consequential damages. Some states do not allow limitations on how long an Implied Warranty lasts or the exclusion of incidental or

consequential damages, so the above limitations or exclusions may not apply to You. This Warranty gives You specific legal rights, and You may also have the other rights which vary from state to state.

Transferability and Renewals:

- This Limited Warranty is not transferable or renewable.

Subrogation:

- If We pay for a loss, We may require You to assign Us Your rights of recovery against others. We will not pay for a loss if You impair these rights to recover. Your rights to recover from others may not be waived.

Arbitration:

- In the event of a disagreement between You and Us concerning costs, either of us may make a written demand for arbitration. This must be done within sixty (60) days after the day You filed Your claim. Each of us will select an arbitrator. The two arbitrators will select an umpire. Each of us will pay the expenses of the arbitrator We select. The expenses of the umpire will be shared equally. Unless both of us agree otherwise, arbitration will take place in the country and state in which You live. Local rules apply. A majority decision will be binding.

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